

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 02/00178

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7	E21B17/06	E21B4/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B F03B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
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EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT
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Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 485 880 A (MAKOHL FRIEDHELM) 4 December 1984 (1984-12-04) the whole document	1-10, 12-30
Y	US 2 204 586 A (GRAU HERBERT E) 18 June 1940 (1940-06-18) the whole document	1-10, 12-30
A	FR 2 332 412 A (ALSTHOM CGEE) 17 June 1977 (1977-06-17) page 1, line 6 - line 27 page 2, line 22 - line 34; figures	1,2,5,25
A	GB 2 055 927 A (ENG ENTERPR) 11 March 1981 (1981-03-11) page 1, line 20 - line 22 page 1, line 55 - line 112; figures	1,2,5,25
		-/-

<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.
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<input checked="" type="checkbox"/> Patent family members are listed in annex.
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Date of the actual completion of the international search

13 March 2002

Date of mailing of the international search report
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05/04/2002

Name and mailing address of the ISA

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C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 2 244 904 A (ALSTHOM CGEE) 18 April 1975 (1975-04-18) page 1, line 20 - line 31; figure 1	1,2,5,25
A	FR 2 258 515 A (ALSTHOM CGEE) 18 August 1975 (1975-08-18) page 1, line 1 - line 17; figures	1,2,5,25
A	US 2 033 409 A (WILKINSON CLEVELAND J) 10 March 1936 (1936-03-10) the whole document	1,2,5,25

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Intern'l Application No
PCT/GB 02/00178

Patent document cited in search report		Publication date		Patent family member()	Publication date
US 4485880	A	04-12-1984	DE BE CA FR GB	3233980 C1 897188 A1 1196626 A1 2532986 A1 2127065 A ,B	29-09-1983 17-10-1983 12-11-1985 16-03-1984 04-04-1984
US 2204586	A	18-06-1940		NONE	
FR 2332412	A	17-06-1977	FR	2332412 A1	17-06-1977
GB 2055927	A	11-03-1981	BE FR JP NL	884025 A1 2463256 A1 56028989 A 8003264 A	16-10-1980 20-02-1981 23-03-1981 12-02-1981
FR 2244904	A	18-04-1975	FR	2244904 A1	18-04-1975
FR 2258515	A	18-08-1975	FR	2258515 A1	18-08-1975
US 2033409	A	10-03-1936		NONE	